PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference JL-23658-PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416			
International application No. PCT/KR2004/003226	International filing date (day/month/year) 09 DECEMBER 2004 (09.12.20				
International Patent Classification (IPC) or national classification and IPC					
C07C 303/40(2006.01)i					
Applicant CJ CORPORATION et al					
-	eliminary examination report, established lansmitted to the applicant according to Art	by this International Preliminary Examining ticle 36.			
2. This REPORT consists of a total of3 sheets, including this cover sheet.					
3. This report is also accompanied by ANNEXES, comprising: a. (sent to the applicant and to the International Bureau) a total ofsheets, as follows: sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the					
beyond the discle Supplemental Bo b. (sent to the International containing a sequence li	ersede earlier sheets, but which this Authonsure in the international application as file x. If Bureau only) a total of (indicate type and	ronic form only, as indicated in the Supplemental			
Box No. IV Lack of un	report ishment of opinion with regard to novelty, ity of invention	inventive step and industrial applicability to novelty, inventive step or industrial applicability;			
citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application					
Date of submission of the demand	Date of compl	Date of completion of this report			
30 JUNE 2005 (30).06.2005) 13 M	ARCH 2006 (13.03.2006)			
Name and mailing address of the IPEA Korean Intellectual Proper 920 Dunsan-dong, Seo-gu, Republic of Korea Facsimile No. 82-42-472-7140	ty Office Daejeon 302-701, MOON,	Ficer Sun Heup 82-42-481-5543			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/KR2004/003226

Box No. I Basis of the report
1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. This report is based on translations from the original language into the following language
 With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this reort as "originally filed" and are not annexed to this report): the international application as originally filed/furnished
the description: pages as originally filed/furnished pages* received by this Authority on pages* received by this Authority on
the claims: pagesas originally filed/furnished pages*as amended (together with any statment) under Article 19 pages*received by this Authority on pages*received by this Authority on
the drawings: pagesas originally filed/furnished pages*received by this Authority on pages*received by this Authority on
the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):
This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages
* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/003226

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Statement			
Novelty (N)	Claims	1 - 6	YES
	Claims	NONE	No
Inventive step (IS)	Claims	1 - 6	YES
	Claims	NONE	NO
Industrial applicability (IA)	Claims	1 - 6	YES
	Claims	NONE	NO
	Inventive step (IS)	Novelty (N) Claims Claims Inventive step (IS) Claims Claims Claims Claims	Novelty (N) Claims Inventive step (IS) Claims Claims I - 6 Claims I - 6 Claims NONE Industrial applicability (IA) Claims I - 6 NONE

2. Citations and explanations (Rule 70.7)

1. Reference is made to the following documents:

D1: US 4,880,841 A D2: EP 257,787 A1

2. Novelty and Inventive Step.

The present invention relates to a method of preparing an optically pure phenethylamine derivative which is an intermediate useful for preparing tamsulosin or it salts and a method of preparing tamsulosin or its salts using the optically pure phenethylamine derivative.

D1 relates to novel phenethylamine derivatives and the acid addition salts thereof, and more particularly to novel phenethylamine derivatives and the acid addition salts thereof exhibiting a strong α -adrenergic blocking action and useful as an antihypertensive agent. D2 relates to a new process for producing optically active benzenesulfonamide derivatives which are represented by the general formula(I) and a process for producing formula VII by further reacting optically active benzenesulfonamide derivatives.

The subject matter of the present invention differs from the disclosure of D1-D2 mainly in that the method of preparing an opticically pure compound having formula 1 relates to react (R)-2-(4-methoxy-3-aminosulfonyl-phenyl)-1-methylethylamine or its salts with α -halogenoacetic acid anhydride and α -halogenoacetyl halide in the presence of a base and an acylating agent. And said optically pure compound having formula 1 further reacts with 2-ethoxyphenol in presence of a base and is reduced. It cannot be considered obvious to a person skilled in the art, with knowledge of the cited documents, to use an optically pure compound and an acylating agent and to reduce for increasing an yield of production and preventing a side reaction.

Therefore, the subject matter of the present claims 1-6 is considered to be novel and to involve an inventive step under PCT Article 33(2) and (3).

3. Industrial Applicability

The subject matter of claims 1-6 is considered to be industrially applicable under PCT Article 33(4).